



Attorney Docket No. 279 P002

PATENT

Claims:

Please amend the claims as follows:

1. (Amended) Machine for applying a fiberglass reinforcement to disposable formworks for columns, particularly for formworks provided with a tubular body, preferably made of expanded polystyrene, having a sealing inner coating and an external coating or reinforcement made of a band of fiberglass mesh rolled up helicoidally on said tubular body, characterized in that it includes, on an elongated bench (1), which dimensions are according to the dimensions of the formwork (3), a pair of longitudinal rollers (2) constituting a seat for said formwork (3) and being conveniently motorized in order to confer a rotational movement to the formwork (3) with the assistance of upper pressure rollers (12), having also a carriage (14) on said bench (1), movable in parallel to the rollers (2-12), wearing the fiberglass mesh delivering reel (13), with the special particularity that said reel (13) is mounted on the carriage (14) having the possibility to rotate around a vertical axis (18) in order to vary the angle of the continuous band of fiberglass mesh with respect to the axis of the formwork (3), enabling the helicoidal rolling up in both directions as well as the rolling up perpendicular to the formwork (3), particularly at the ends of the same, the reinforcement delivering reel (13) being furthermore assisted by an automatic brake against which the traction rollers (2) are acting, in order to confer the appropriate tension to the fiberglass mess during its rolling up on the formwork (3), further characterized in that a portal frame is established on the bench (1), made of a pair of fixed poles (5) on which a bridge structure (6) is placed, vertically movable along guides (7) by means of a motor (8), said bridge structure (6) having a plurality of lower arms (10) projecting frontally, articulated and actuated by their respective pneumatical cylinders (11), having arms (10) supporting at their free ends said pressure rollers (12), by which they acquire an adjustable height in order to adapt to formworks (3) having different diameters, and exerting a pressure on the latter thanks to the strain provided by the cylinders.

Please Cancel Claim 2.

5. (As originally presented in preliminary amendment) Machine for applying a fiberglass reinforcement to disposable formworks for columns, according to claim 1, characterised in that a pair of longitudinal guides (15) are placed on the bench (1), in parallel to the traction rollers (2), for the movement of the carriage (14) with the help of a motor (17) acting on a moving chain (16) or on any other appropriate transmission means, having the particularity that another motor (19) is mounted on the same carriage (14) to change the orientation of the reinforcement reel (13) with respect to the formwork (3).

6. (As originally presented in preliminary amendment) Machine for applying a fiberglass reinforcement to disposable formworks for columns, according to claim 2, characterised in that a pair of longitudinal guides (15) are placed on the bench (1), in parallel to the traction rollers (2), for the movement of the carriage (14) with the help of a motor (17) acting on a moving chain (16) or on any other appropriate transmission means, having the particularity that another motor (19) is mounted on the same carriage (14) to change the orientation of the reinforcement reel (13) with respect to the formwork (3).

7. (As originally presented in preliminary amendment) Machine for applying a fiberglass reinforcement to disposable formworks for columns, according to claim 1, characterised in that the carriage further comprises a blade (20) for cutting the band of fiberglass mesh constituting the reinforcement, accompanying the correspondent reel (13) in its movements, and being movable along an axis (21) during the cutting operation.

8. (As originally presented in preliminary amendment) Machine for applying a

fiberglass reinforcement to disposable formworks for columns, according to claim 2, characterised in that the carriage further comprises a blade (20) for cutting the band of fiberglass mesh constituting the reinforcement, accompanying the correspondent reel (13) in its movements, and being movable along an axis (21) during the cutting operation.

9. (As originally presented in preliminary amendment) Machine for applying a fiberglass reinforcement to disposable formworks for columns, according to claim 5, characterised in that the carriage further comprises a blade (20) for cutting the band of fiberglass mesh constituting the reinforcement, accompanying the correspondent reel (13) in its movements, and being movable along an axis (21) during the cutting operation.

10. (As originally presented in preliminary amendment) Machine for applying a fiberglass reinforcement to disposable formworks for columns, according to claim 6, characterised in that the carriage further comprises a blade (20) for cutting the band of fiberglass mesh constituting the reinforcement, accompanying the correspondent reel (13) in its movements, and being movable along an axis (21) during the cutting operation. - -